

JAPANESE

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CLAIMS DETAILED DESCRIPTION TECHNICAL
FIELD PRIOR ART EFFECT OF THE INVENTION
TECHNICAL PROBLEM MEANS WRITTEN
AMENDMENT

[Translation done.]

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CLAIMS

[Claim(s)]

[Claim 1]a ball-point which contains water, paints, a surface-active agent, a pH adjuster, a shearing adhesiveness-reducing nature grant agent, and a moisturizer as an essential ingredient -- service water -- in a sex ink composition -- said surface-active agent -- a (b) general formula [Formula 1]It is a compound come out of and expressed, and said shearing adhesiveness-reducing nature grant agent is a (**) alkali swelling type acrylic emulsion, The ink composition for aqueous ball pens characterized by containing the mixture of (**) diethylene-glycol independence or ethylene glycol, and a diethylene glycol, and three persons of these (b)s (**) (**) as said moisturizer. [Formula 1] $\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{SO}_3\text{M}$ (as for R, the saturation

of the carbon numbers 8-20 or unsaturated hydrocarbon, and n show an alkaline metal or ammonia, alkylamine, and alkanolamine among a formula, as for the integer of 3-30, and M.)

[Claim 2]The ink composition for aqueous ball pens according to claim 1, wherein a pH adjuster is ammonia, amines, or an inorganic base and pH is eight or more.

[Claim 3]The ink composition for aqueous ball pens according to claim 1 in which said shearing adhesiveness-reducing nature grant agent is characterized by said moisturizer containing 20 to 50% of the weight 0.3 to 2.0% of the weight by solid content conversion to a constituent total amount.

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